

- Sub
A
cont
4. The apparatus claim of 3 wherein the engaging means include an array of alternating teeth and sockets having substantially equal lateral dimensions.
5. The apparatus of claim 3 wherein the opposing foam panels include first engaging means formed along a first pair of opposing edges and second engaging means formed along a second pair of opposing edges.
6. The apparatus of claim 5 wherein the first engaging means include a first array of alternating teeth and sockets having substantially equal lateral dimensions, and the second engaging means include a second array of alternating teeth and sockets having substantially equal lateral dimensions.
7. The apparatus of claim 3 wherein each opposing foam panel includes two substantially planar rectangular segments in angular relation to each other, each segment having at least one pair of opposing edges.
8. The apparatus of claim 3 wherein each opposing flange member is substantially planar and of sufficient strength to function as an anchoring stud.
9. The apparatus of claim 8 wherein each opposing flange member can be functionally encased within a respective opposing foam panel.
10. The apparatus of claim 9 wherein the opposing foam panels have a longitudinal axis and the opposing flange members have a longitudinal axis substantially equal in length to the transverse axis of the respective foam panel.
11. The apparatus of claim 3 wherein the web portion includes a pair of bridge members formed therein spaced parallel from each other and transverse to the opposing flange members.

12. The apparatus of claim 11 wherein each bridge member includes at least one rebar-retaining seat positioned therealong extending outwardly therefrom.
13. The apparatus of claim 12 wherein each bridge member includes at least one rebar-retaining seat positioned therealong extending inwardly therefrom.
14. The apparatus of claim 13 wherein the rebar-retaining seats are sufficiently large to retainably receive a plurality of rebar rods therewithin.
15. The apparatus of claim 11 wherein the opposing bridge members, in conjunction with each other, provide uniformly distributed structural support about the central lateral axis of the tie.
16. The apparatus of claim 15 wherein the opposing bridge members individually provide uniformly distributed structural support about their respective longitudinal axis when the tie is laterally cut in half.
17. A substantially planar tie for use with a foam block concrete form having opposing foam panels, the tie comprising:
a pair of opposing flange members; and
a web portion connected to, and separating, the pair of opposing flange members,
the web portion including a pair of bridge members formed therein spaced parallel from each other and transverse to the opposing flange members,
each bridge member having at least one rebar-retaining seat positioned therealong extending outwardly therefrom.
18. The apparatus of claim 17 wherein each opposing flange member is substantially planar and of sufficient strength to function as an anchoring stud.
19. The apparatus of claim 18 wherein each opposing flange member can be

A¹
cont

functionally encased within a respective opposing foam panel.

20. The apparatus of claim 19 wherein the opposing foam panels have a longitudinal axis and the opposing flange members have a longitudinal axis substantially equal in length to the transverse axis of the respective foam panel.
21. The apparatus of claim 17 wherein the opposing bridge members, in conjunction with each other, provide uniformly distributed structural support about the central lateral axis of the tie.
22. The apparatus of claim 21 wherein the opposing bridge members individually provide uniformly distributed structural support about their respective longitudinal axis when the tie is laterally cut in half.
23. The apparatus of claim 17 wherein each bridge member has at least one rebar-retaining seat positioned therealong extending inwardly therefrom.
24. The apparatus of claim 23 wherein the rebar-retaining seats are sufficiently large to retainably receive a plurality of rebar rods therewithin.
25. A foam panel for use with a foam block concrete form, the panel comprising:
a foam sheet including at least one substantially planar rectangular segment
having at least one pair of opposing edges; and
engaging means formed along the at least one pair of opposing edges for
removably retaining an edge of a foam sheet having substantially similar
engaging means formed therealong.
26. The apparatus of claim 25 wherein the engaging means include an array of alternating teeth and sockets having substantially equal lateral dimensions.
27. The apparatus of claim 25 wherein the foam sheet includes first engaging means

A¹
cont

formed along a first pair of opposing edges and second engaging means formed along a second pair of opposing edges.

28. The apparatus of claim 27 wherein the first engaging means include a first array of alternating teeth and sockets having substantially equal lateral dimensions, and the second engaging means include a second array of alternating teeth and sockets having substantially equal lateral dimensions.
29. The apparatus of claim 25 wherein the foam sheet includes two substantially planar rectangular segments in angular relation to each other, each segment having at least one pair of opposing edges.
30. A foam panel for use with a foam block concrete form, the panel comprising:
a foam sheet including at least one substantially planar rectangular segment having an indicator along its longitudinal axis to serve as a guide for separating the foam sheet longitudinally into equal segments.
31. The apparatus of claim 30 wherein the indicator is located substantially along the central longitudinal axis of the rectangular segment.
32. A corner tie for use with a foam panel of a foam block concrete form, the corner tie comprising:
a pair of substantially planar elongated flange segments in angular relation to each other, each flange segment having a pair of opposing longitudinal ends, one end of each pair of opposing ends being proximal to the respective other, the remaining end of each pair of opposing ends being distal to the respective other; and
a structural web connecting the flange segments across the acute angle formed therebetween, the web including a concrete-engaging portion.

A/
Cont

33. The apparatus of claim 32 wherein the concrete-engaging portion of the web includes an elongated member having first and second opposing ends, the first end being proximal to a line of intersection of the planes in which the two flange segments are respectively retained, the second end being distal from the line of intersection.
34. The apparatus of claim 33 wherein the elongated concrete-engaging member substantially bisects the acute angle.
35. The apparatus of claim 33 wherein the distal end of the concrete-engaging member is removed from the line of intersection by at least five inches.
36. The apparatus of claim 32 wherein each flange segment is of sufficient length to be able to retainably receive fastening means anchoring a façade corner cover thereto.
37. The apparatus of claim 36 wherein the flange segments are joined along their respective proximal end.
38. The apparatus of claim 33 wherein the distal end of each flange segment is removed at least four inches from the line of intersection.

REMARKS

Applicant respectfully requests entry of the above preliminary amendments and consideration of the following remarks in the above-captioned application. Claims 1 and 2 have been cancelled and claims 3-38 have been added. Thus, claims 3-38 are pending in this case for prosecution and claims 1, 17, 25, 30, and 32 are independent.